



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

TECHNOLOGY CENTER 2800

MAR 22 2002

RECEIVED

APRIL 13, 2001

PTAS

SMITH-HILL AND BEDELL, P.C.
FENELOPE STOCKWELL
12670 N.W. BARNES ROAD, SUITE 104
PORTLAND, OREGON 97229



101604917A

APR 13 2001

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/18/2001

REEL/FRAME: 011478/0630
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SHUHOLM, KEVIN J.

DOC DATE: 01/11/2001

ASSIGNEE:

ADC TELECOMMUNICATION, INC.
12501 WHITEWATER DRIVE
MINNETONKA, MINNESOTA 55343

SERIAL NUMBER: 09766014
PATENT NUMBER:

FILING DATE: 01/18/2001
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Attorney's Docket No. ADC 2130

A S S I G N M E N T

(To Be Submitted With Application)

WHEREAS, I, Kevin J. Shuholm, a resident of Grass Valley, California, am inventor of an improvement in or relating to APPARATUS AND METHOD FOR EXTRACTING DATA VALUES FROM A SIGNAL ENCODED WITH AES3 DATA for which I am about to make application for Letters Patent of the United States of America.

WHEREAS, ADC TELECOMMUNICATIONS, INC., a corporation organized under the laws of the State of Minnesota, having a place of business at 12501 Whitewater Drive, Minnetonka, Minnesota 55343, is desirous of acquiring an interest therein.

NOW, THEREFORE, in consideration of One Dollar (\$1) and other good and valuable consideration, the receipt of which is hereby acknowledged, I, Kevin J. Shuholm, assign and transfer to ADC TELECOMMUNICATIONS, INC., my entire legal and equitable right, title, and interest for the territory of the United States of America, and for all foreign countries, in and to the invention described and claimed in the application executed by me on January 11, 2001, preparatory to obtaining Letters Patent of the United States for said invention (and I authorize my attorneys of record to insert the date of execution of the application); said invention, application, and Letters Patent in this or any foreign country, and all divisions, continuations, reissues, and extensions thereof, to be held and enjoyed by the said ADC TELECOMMUNICATIONS, INC. for its own use and behalf, and for

ET 215673079

RECEIVED

MAR 22 2002

TECHNOLOGY CENTER 2800

its successors and assigns, to the full end of the term for which Letters Patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by me had this assignment and sale not been made, and warrant that I have full right to do so, and agree that I shall communicate to the said ADC TELECOMMUNICATIONS, INC., or its successors and assigns any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful declarations, and generally do everything possible to aid ADC TELECOMMUNICATIONS, INC., its successors and assigns, to obtain and enforce proper patent protection for said invention in this or any foreign country.

EXECUTED at Grass Valley, California, this 11TH day of January, 2001, by

Kevin J. Shuholm
Kevin J. Shuholm

STATE OF CALIFORNIA)
) ss.
County of NEVADA)

On JANUARY 11 2001 before me,
STEPHANIE N. RAHN, Notary Public,
personally appeared Kevin J. Shuholm, personally known to me, or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Stephanie N. Rahn
Notary Signature

